

06/03/97

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WARNING: "No copy of prior application or new specification is required. Filing of such a copy or specification will be considered improper, and a filing date as of the date of deposit of the request for an application under this section will not be granted to the application unless a petition with the fee set forth in § 1.17(f) is filed with instructions to cancel the copy or specification." 37 C.F.R. 1.62(e).

WARNING: File wrapper continuing procedure filings can only be based on a prior complete application as defined by § 1.51(a)(1), and not a prior complete provisional application as defined by § 1.51(a)(2).

This is a request for a filing under the file wrapper continuing application procedure (37 C.F.R. 1.62), for a

☒ continuation

☐ divisional

☐ continuation-in-part (for oath or declaration, see III below)

Attached is an amendment for added subject matter

☐ continuing application to permit consideration of an information disclosure statement under 37 C.F.R. 1.97.

NOTE: The filing date under 37 C.F.R. 1.62(a) is "... the date on which a request is filed for an application ... including identification of the application number and applicant's name of the prior application." The prior application under 37 C.F.R. 1.62(a) must be "... a prior complete application," as defined in 37 C.F.R. 1.51(a)(1).

PARTICULARS OF PRIOR NONPROVISIONAL APPLICATION

WARNING: File wrapper continuing procedure filings can only be based on a prior complete application as defined by § 1.51(a)(1), and not a prior complete provisional application as defined by § 1.51(a)(2). 37 C.F.R. 1.62(a).

A. Application No. 08 / 468,649 filed June 6, 1995

Date

B. Title (as originally filed Liquid Crystal Display formed by a plurality of

~~and as last amended~~ Non-electrically Interconnected Liquid Crystal Display Panels

C. Name of applicant(s) (as originally filed and as last amended) and current correspondence address of applicant(s)

1. FULL NAME OF INVENTOR	FAMILY NAME IZUMI	FIRST GIVEN NAME Yoshihiro	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY Kashihara-shi	STATE OR FOREIGN COUNTRY Nara	COUNTRY OF CITIZENSHIP Japan
POST OFFICE ADDRESS	POST OFFICE ADDRESS 508-8, Kuzumoto-cho	CITY Kashihara-shi	STATE & ZIP CODE/COUNTRY Nara, Japan 634
2. FULL NAME OF INVENTOR	FAMILY NAME FUJIWARA	FIRST GIVEN NAME Sayuri	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY Nara-shi	STATE OR FOREIGN COUNTRY Nara	COUNTRY OF CITIZENSHIP Japan
POST OFFICE ADDRESS	POST OFFICE ADDRESS 606-99 Sanjo-cho	CITY Nara-shi	STATE & ZIP CODE/COUNTRY Nara, Japan 630
3. FULL NAME OF INVENTOR	FAMILY NAME SHINOMIYA	FIRST GIVEN NAME Tokihiko	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY Nara-shi	STATE OR FOREIGN COUNTRY Nara	COUNTRY OF CITIZENSHIP Japan
POST OFFICE ADDRESS	POST OFFICE ADDRESS 106-32 2-chome Tomiokawanishi	CITY Nara-shi	STATE & ZIP CODE/COUNTRY Nara, Japan 631

☐ Continued on Added Page for Inventor's Data

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The above identified application, in which no payment of issue fee, abandonment of (other than where the above identified application was abandoned under 37 C.F.R. 1.313(b)(5) to permit consideration of an information disclosure statement under 37 C.F.R. 1.97), or termination of proceedings has occurred, is hereby expressly abandoned as of the filing date of this new application. Please use all the contents of the prior application file wrapper, including the drawings, as the basic papers for the new application.

It is understood that secrecy under 35 U.S.C 122 is hereby waived to the extent that if information or access is available to any one of the applications in the file wrapper of a 37 C.F.R. 1.62 application, be it either this application or a prior application in the same file wrapper, the PTO may provide similar information or access to all the other applications in the same file wrapper.

II. Inventorship statement

NOTE: "If the continuation, continuation-in-part, or divisional application is filed by less than all the inventors named in the prior application a statement must accompany the application when filed requesting deletion of the names of the person or persons who are not inventors of the invention being claimed in the continuation, continuation-in-part, or divisional application." 37 C.F.R. 1.62(a).

NOTE: "In the case of a continuation-in-part application which adds and claims additional disclosure by amendment, an oath or declaration as required by § 1.63 must be filed. In those situations where a new oath or declaration is required due to additional subject matter being claimed, additional inventors may be named in the continuing application. In a continuation or divisional application which discloses and claims only subject matter disclosed in a prior application, no additional oath or declaration is required and the application must name as inventors the same or less than all the inventors in the prior application." 37 C.F.R. 1.60(c).

(complete applicable item (a), (b) and/or (c) below)

- (a) ☒ This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above and the inventor(s) in this application are
- ☒ the same.
- ☐ less than those named in the prior application. It is requested that the following inventor(s) identified above for the prior application be deleted:

(type name(s) of inventor(s) to be deleted)

- (b) ☐ This application discloses and claims additional disclosure by amendment and a new declaration or oath is being filed. With respect to the prior application whose particulars are set out above, the inventor(s) in this application are
- ☐ the same.
- ☐ Add the following additional inventor(s).

(type name of inventor(s) to be added)

- (c) The inventorship for all the claims in this application is
- ☐ the same.
- ☐ not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made, is submitted.

III. Declaration or oath**A. Continuation or divisional**☒ None required.**B. Continuation-in-part**☐ Attached.

Executed by

(check all applicable items)

- ☐ inventor(s).
- ☐ legal representative of inventor(s). 37 C.F.R. 1.42 or 1.43.
- ☐ joint inventor or person showing a proprietary interest for inventor who refused to sign or cannot be reached. 37 C.F.R. 1.47;

☐ This is the petition required by 37 C.F.R. 1.47 and the statement required by 37 C.F.R. 1.47 is also attached.

(See item VIII below for fee.)☐ Not attached.

- ☐ Application is made by a person authorized under 37 C.F.R. 1.41(c) on behalf of all of the above named applicant(s).
(The declaration or oath, along with the surcharge required by 37 C.F.R. 1.16(e) can be filed subsequently.)

- ☐ Attached is a showing that the filing is authorized.
(Not required unless called into question. 37 C.F.R. 1.41(d))

IV. Identification of Amendment Being Filed and/or Claims for Further Prosecution

WARNING: "The claims of a new application may be finally rejected in the first Office action in those situations where (1) the new application is a continuing application of, or a substitute for, an earlier application, and (2) all the claims of the new application (a) are drawn to the same invention claimed in the earlier application, and (b) would have been properly finally rejected on the grounds of art of record in the next Office action if they had been entered in the earlier application." MPEP § 706.07(b).

- ☐ The fees to be charged are to be based on the number of claims remaining as a result of the:
 - ☐ attached preliminary amendment.
 - ☐ the unentered amendment filed under 37 C.F.R. 1.116 in the prior application, which is now repeated.
 - ☐ the claims as on file in the prior application.

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V. Fee Calculation (37 C.F.R. 1.16)

NOTE: The filing fee for a continuation, continuation-in-part, or divisional application is based on the number of claims remaining in the application after entry of any preliminary amendment and entry of any amendments under 37 C.F.R. 1.116 unentered in the prior application which is requested to be entered in this FWC application. 37 C.F.R. 1.62.

CLAIMS FOR FEE CALCULATION			
Number Filed	Number Extra	Rate	Basic Fee 37 C.F.R. 1.16(a) \$770.00
Total Claims			
(37 C.F.R. 1.16(c)) 50 - 20 = 30	×	\$ 22.00	
Independent Claims			
(37 C.F.R. 1.16(b)) 9 - 3 = 6	×	\$ 80.00	
Multiple dependent claim(s), if any			
(37 C.F.R. 1.16(d))	+	\$260.00	

☐ The fee for extra claims is not being paid at this time.

Filing fee calculation \$ 770.00

NOTE: If the fees for extra claims are not paid on filing they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37 C.F.R. 1.16(d).

VI. Petition for Suspension of Prosecution for the Time Necessary to File an Amendment

NOTE: Where it is possible that the claims on file will give rise to a first action final for this continuation application and for some reason an amendment cannot be filed promptly (e.g., experimental data is being gathered), it may be desirable to file a petition for suspension of prosecution for the time necessary.

(check the next item, if applicable)

☐ There is provided herewith a Petition to Suspend Prosecution for the time Necessary to File an Amendment (New Application Filed Concurrently).

VII. Small Entity Statement

☐ A verified statement that this is a filing by a small entity is attached.

WARNING: "Status as a small entity in one application or patent does not affect any other application or patent, including applications or patents which are directly or indirectly dependent upon the application or patent in which the status has been established. A nonprovisional application claiming benefit under 35 U.S.C. 119(e), 120, 121 or 365(c) of a prior application may rely on a verified statement filed in the prior application if the nonprovisional application includes a reference to a verified statement in the prior application or includes a copy of the verified statement filed in the prior application if status as a small entity is still proper and desired." 37 C.F.R. § 1.28(a).

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(complete the following, if applicable)

- ☐ Status as a small entity was claimed in prior application

_____/_____, filed on _____, from which benefit is being claimed for this application under:

- 35 U.S.C. ☐ 120,
☐ 121,
☐ 365(c),

and which status as a small entity is still proper and desired.

- ☐ A copy of the verified statement in the prior application is included.

Reduced filing fee calculation (50% of above) \$_____

NOTE: 37 C.F.R. 1.28(a) states: "Status as a small entity must be specifically established by a verified statement filed in each application or patent in which the status is available and desired, except those applications filed under § 1.60 or § 1.62 of this part where the status as a small entity has been established in a parent application and is still proper."

The last sentence of 37 C.F.R. 1.28(a) states: "Applications filed under § 1.60 or § 1.62 of this part must include a reference to a verified statement in a parent application if status as a small entity is still proper and desired."

Any excess of the full fee paid will be refunded if a verified statement and a refund request are filed within 2 months of the date of timely payment of a full fee then the excess fee paid will be refunded on request. 37 C.F.R. 1.28(a).

VIII. Fee Payment Being Made at This Time

Not attached

- ☐ No filing fee is submitted.

(This and the surcharge required by 37 C.F.R. 1.16(e) can be paid subsequently.)

Attached

- | | |
|---|-----------|
| <input checked="" type="checkbox"/> filing fee | \$ 770.00 |
| <input type="checkbox"/> recording assignment
(\$40.00; 37 C.F.R. 1.21(h)).
For payment of fee see item XIV below. | \$ _____ |
| <input type="checkbox"/> petition fee for filing by other than all the
inventors or person not the inventor where
inventor refused to sign or cannot be reached
(\$130.00; 37 C.F.R. 1.47 and 1.17(h)) | \$ _____ |
| <input type="checkbox"/> processing and retention fee
(\$130.00; 37 C.F.R. 1.53(d) and 1.21(l)) | \$ _____ |

NOTE: 37 C.F.R. 1.21(l) establishes a fee for processing and retaining any application that is abandoned for failing to complete the application pursuant to 37 C.F.R. 1.53(d) and this, as well as the changes to 37 C.F.R. 1.53 and 1.78, indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee must be timely paid or the processing and retention fee in § 1.21(l) must be paid within 1 year from the notification under § 1.53(d).

Total fees enclosed

\$ 770.00

[illegible]

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 C.F.R. 1.22(b).

X. Authorization to Charge Additional Fees

WARNING: If no fee payment is made at this time, this item should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges if extra claim charges are authorized.

- ☒ The Commissioner is hereby authorized to charge the following additional fees that may be required by this paper and during the entire pendency of this application to Account No. 04-1105:
- ☒ 37 C.F.R. 1.16(a), (f) or (g) (filing fees)
- ☒ 37 C.F.R. 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

- ☐ 37 C.F.R. 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
- ☐ 37 C.F.R. 1.17 (application processing fees)

WARNING: While 37 C.F.R. 1.17(a), (b), (c) and (d) deal with extensions of time under § 1.136(a), this authorization should be made only with the knowledge that: "Submission of the appropriate extension fee under 37 C.F.R. 1.136(a) is to no avail unless a request or petition for extension is filed" (Emphasis added). Notice of Nov. 5, 1985 (1060 O.G. 27).

- ☐ 37 C.F.R. 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the Notice of Allowance. 37 C.F.R. 1.311(b).

37 C.F.R. 1.28(b) states: (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity. Notification of any change of status resulting in loss of entitlement to small entity status must be filed in the application prior to, or at the time of, paying the issue fee. 37 C.F.R. 1.28(b).

XI. Instructions as to Overpayment

- ☒ Credit Account No. 04-1105
☐ Refund

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XII. Priority—35 U.S.C. 119(a)-(d)

6-210216

9/2/94

☒ Priority of Application No. 7-29395 filed on 2/17/95
in Japan

Country is claimed under 35 U.S.C. 119.

☒ The certified copy has been filed on 6/6/95 in prior U.S. application Serial No. 08/468,649, which prior application was filed on _____

☐ Certified copy will follow.

XIII. Relate Back

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c). (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,194, at 20,205.

NOTE: "Any nonprovisional application claiming the benefit of one or more prior filed copending nonprovisional applications or international applications designating the United States of America must contain or be amended to contain in the first sentence of the specification following the title a reference to each such prior application, identifying it by application number (consisting of the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. Cross-references to other related applications may be made when appropriate. (See § 1.14(b))." 37 C.F.R. § 1.78(2).

(complete the following, if applicable)

☐ Amend the specification by inserting, before the first line, the sentence:

A. 35 U.S.C. 119(e)

NOTE: "Any nonprovisional application claiming the benefit of one or more prior filed copending provisional applications must contain or be amended to contain in the first sentence of the specification following the title a reference to each such prior provisional application, identifying it as a provisional application, and including the provisional application number (consisting of series code and serial number)." 37 C.F.R. § 1.78(a)(4).

WARNING: While this application under 37 C.F.R. § 1.62 cannot be a file wrapper continuation application of a provisional application, the nonprovisional application giving rise to this FWC filing could claim the benefit of a provisional application.

☐ "This application claims the benefit of U.S. Provisional Application(s) No(s):

APPLICATION NO(S):

FILING DATE

_____/_____
_____/_____
_____/_____

_____ "

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B. 35 U.S.C. 120, 121 and 365(c)

NOTE: "Any nonprovisional application claiming the benefit of one or more prior filed copending nonprovisional applications or international applications designating the United States of America must contain or be amended to contain in the first sentence of the specification following the title a reference to each such prior application, identifying it by application number (consisting of the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. Cross-references to other related applications may be made when appropriate. (See § 1.14(b))." 37 C.F.R. § 1.78(2).

- ☐ "This application is a
- ☐ continuation
 - ☐ divisional
 - ☐ continuation-in-part

of copending application(s)

- ☐ Serial Number 0 / _____ filed on _____"
- ☐ International Application _____ filed on _____ and which designated the U.S."

NOTE: The proper reference to a prior filed PCT application that entered the U.S. national phase is the U.S. serial number and the filing date of the PCT application that designated the U.S.

XIV. Assignment

- ☒ The prior application is assigned of record to Sharp Kabushiki Kaisha
- ☐ An assignment of the invention to _____

is attached. A separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☐ FORM PTO 1595 is also attached.

NOTE: "If an assignment is submitted with a new application, send two separate letters—one for the application and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).

XV. Power of Attorney

The power of attorney in the prior application is to

David G. Conlin

Attorney

27,026

Reg. No.

- a. ☒ The power appears in the original papers in the prior application.
- b. ☐ The power does not appear in the original papers, but was filed on _____.
- c. ☐ A new power has been executed and is attached.
- d. ☐ Address all future communications to:

(item d may only be completed by applicant, or attorney or agent of record.)

Brian L. Michaelis 34,221

Name Dike, Bronstein, Roberts & Cushman, LLP Reg. No.

Address 130 Water Street Boston, MA 02109 (617) 523-3400

Tel. No.

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XVI. Maintenance of Copendency of Prior Application

(this item must be completed and the necessary papers filed in the prior application, if the period set in the prior application has run)

- ☒ A petition, fee and response has been filed to extend the term in the pending prior application until June 4, 1997

NOTE: The PTO finds it useful if a copy of the petition filed in the prior application extending the term for response is filed with the papers constituting the filing of the continuation application. Notice of Nov. 5, 1985 (1060 O.G. 27).

- ☒ A copy of the petition for extension of time in the prior application is attached.

XVII. Conditional Petitions for Extension of Time in Prior Application

(complete this item and file conditional petition in prior application, if previous item is not applicable)

- ☐ A conditional petition for extension of time is being filed in the pending prior application

NOTE: The PTO finds it useful if a copy of the petition filed in the prior application extending the term for response is filed with the papers constituting the filing of the continuation application. Notice of Nov. 5, 1985 (1060 O.G. 27).

- ☐ A copy of the conditional petition for extension of time in the prior application is attached.

XVIII. Abandonment of Prior Application

- ☒ Please abandon the prior application at a time while the prior application is pending or when the petition for extension of time or to revive in that application is granted and when this application is granted a filing date so as to make this application copending with said prior application. At the same time, please add the words "now abandoned" to the amendment to the specification set forth in XIII above.

NOTE: According to the Notice of May 13, 1983 (103 TMOG 6-7), the filing of a continuation or continuation-in-part application is a proper response with respect to a petition for extension of time or a petition to revive and should include the express abandonment of the prior application conditioned upon the granting of the petition and the granting of a filing date to the continuing application.

NOTE: "A registered attorney or agent acting under the provisions of § 1.34(a), or of record, may also expressly abandon a prior application as of the filing date granted to a continuing application when filing such a continuing application." 37 C.F.R. 1.138.

XIX. Information Disclosure Statement

- ☐ Submitted herewith is an Information Disclosure Statement.

XX. Assignee Certification

WARNING: When an assignee files a continuation or divisional application (under 37 C.F.R. 1.53, 1.60 or 1.62), reference may be made to a statement filed under 37 C.F.R. 3.73(b) in the parent application or a copy of that statement may be filed. A newly executed statement under 37 C.F.R. 3.73(b) must be filed when a continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.

(complete the following, if the assignee is signing below)

- ☐ This is a ☐ continuation ☐ divisional application and the statement under 37 C.F.R. 3.73(b)
- ☐ has been filed in the parent application.
- ☐ A copy of the previously filed statement in the parent application is attached.
- ☐ This is a continuation-in-part application and a "CERTIFICATE UNDER 37 C.F.R. 3.73(b)" is attached.

Brian L. Michaelis

(type or print name of person signing declaration)

Brian Michaelis

Signature

3 June 1997

Date

Dike, Brosntein, Roberts & Cushman, LLP

P.O. Address of Signatory

130 Water Street Boston, MA 02109

(if applicable)

Tel. No.: (617) 523-3400

Reg. No.: 34,221

- ☐ Inventor
- ☐ Assignee of complete interest
- ☐ Person authorized to sign on behalf of assignee
- ☒ Attorney or agent of record
- ☐ Filed under Rule 34(a)

(complete the following, if applicable)

SHARP KABUSHIKI KAISHA

(type name of assignee)

22-22, Nagaike-cho, Abeno-ku

Address of assignee

Osaka 545 Japan

Attorney

Title of person authorized to sign on behalf of Assignee

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Assignment recorded in PTO on June 6, 1995

Reel 7501 Frame 0627

- ☐ Plus ADDED PAGE FOR INVENTOR'S DATA FOR FWC FILING
☐ Plus ASSIGNMENT (DOCUMENT) COVER LETTER ACCOMPANY-
ING NEW PATENT APPLICATION

08668481-060397

Reg. No. 34,221

Brian Michaelis
SIGNATURE OF ATTORNEY

Brian L. Michaelis

Dike, Bronstein, Roberts & Cushman, LLP
(type or print name of attorney)

Tel. No.: (617) 523-3400

130 Water Street

P.O. Address

Boston, MA 02109